

**IN THE CLAIMS:**

1-28. (Canceled)

29. (Currently amended) A method for protecting a mammal against neosporosis, comprising administering to the mammal a vaccine comprising an immunologically effective amount of an homogenate, wherein said homogenate comprises a whole cell preparation of *Neospora* tachyzoites which is prepared from cells of by homogenizing or disrupting said *Neospora* tachyzoites and is free of viable tachyzoites, which and wherein said homogenate is capable of inducing a protective response against neosporosis in a mammal and a veterinarily acceptable carrier.

30. (Original) The method of claim 29, wherein the species of *Neospora* from which the homogenate is prepared is *N. caninum*.

31. (Original) The method of claim 29, wherein the vaccine is capable of inducing the production of antibodies that recognize one or more antigenic components present in an homogenate of cells *N. caninum* strain NC-1.

32. (Canceled)

33. (Currently amended) The method of claim ~~32~~ 30, wherein the strain of *N. caninum* from which the homogenate of the vaccine is prepared is NC-1.

34. (Canceled)

35. (Original) The method of claim 29, wherein the vaccine further comprises one or more additional immunomodulatory components.

36. (Original) The method of claim 35, wherein the additional immunomodulatory component is an adjuvant.

37. (Original) The method of claim 35, wherein the additional immunomodulatory component is a cytokine.

38. (Original) The method of claim 29, wherein the vaccine is administered to a mammal of a species selected from the group consisting of dogs, cows, goats, sheep and horses.

39-53. (Canceled)

54. (Currently amended) The method of claim 29, wherein said homogenate is made by homogenizing or disrupting ~~cells of~~ *Neospora tachyzoites* by freeze-thawing, osmotic bursting, grinding, sonication, use of a polytron, blender, ~~or~~ tissue homogenizer, or a combination thereof.